

Title (en)  
THERMOPLASTIC RESIN FOAM

Title (de)  
THERMOPLASTISCHER HARZSCHAUM

Title (fr)  
MOUSSE DE RESINE THERMOPLASTIQUE

Publication  
**EP 1829918 A4 20080409 (EN)**

Application  
**EP 05816737 A 20051213**

Priority  
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Abstract (en)  
[origin: EP1829918A1] [PROBLEMS] An object of the present invention is to provide thermoplastic resin foam which has both high reflectance and superior shape-retention properties, suitable for use in backlights and illumination boxes for illumination signboards, lighting fixtures, displays and the like. [MEANS FOR SOLVING PROBLEMS] The thermoplastic resin foam is manufactured by a manufacturing method comprising a procedure for holding a resin sheet composed of thermoplastic resin (A) and thermoplastic resin (B), which has a functional group having an affinity with thermoplastic resin (A), within a pressurized inert gas atmosphere to enable the resin sheet to contain inert gas, and a procedure for foaming by heating the resin sheet containing inert gas at a temperature higher than the softening temperature of thermoplastic resin, under normal pressure.

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Citation (search report)  
• [A] WO 0044804 A2 20000803 - ARISTECH ACRYLICS LLC [US]  
• [A] EP 0386663 A1 19900912 - UC IND INC [US]  
• [X] DATABASE WPI Week 199413, Derwent World Patents Index; AN 1994-106356, XP002470721  
• [DA] DATABASE WPI Week 199918, Derwent World Patents Index; AN 1999-210917, XP002470684  
• See references of WO 2006068009A1

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JP WO2006068009 A1 20080612; KR 101234998 B1 20130220; KR 20070097403 A 20071004; MY 147796 A 20130131;  
TW 200621862 A 20060701; TW I334425 B 20101211; US 2008300334 A1 20081204; US 8314160 B2 20121120; WO 2006068009 A1 20060629

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